

<b>Notic of Allowability</b>	<b>Applicati n N .</b>	<b>Applicant(s)</b>	
	09/728,196	CHOW ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Charles E Anya	2126	

-- **Th MAILING DATE f this c mmunication app ars n the cover sheet with the correspondenc address--**  
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to applicant's remarks/arguments of 8/23/04.
2. ☒ The allowed claim(s) is/are 11,13-17,19-23,25,26: now renumbered as 1-13.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☒ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☒ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                                |
| 2. <input checked="" type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                     | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>1/4/05</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment  |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance                                  |
|   | 9. <input type="checkbox"/> Other _____  |

  
**MENG-AZ T. ANYA**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2100**

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Mr. Robert Brown Jr. on 12/29/04.

In the claims:

- a. Claim 11;

Rewrite claim 11 as follows:

Claim 11. A computer-implemented method for implementing a trader service with fault tolerance, the method comprising;

- creating a trader service;
- identifying an object reference in response to a request by a requestor, the object reference including a reference to an object;
- determining whether the object associated with the object reference is existent;
- providing the object reference to the requestor when the object is not existent;

organizing at least a first entry associated with the object reference in an index;  
identifying a second object reference in response to the request by the requestor, the  
second object reference including a reference to a second object;

determining whether the second object associated with the second object  
reference is existent; and

where if the second object is not existent organizing at least a second entry  
associated with the second object reference in the index, the second entry positioned in  
the index behind the first entry.

b. Cancel claim 12;

c. Claim 13;

- line 1, replace "claim 12" with – claim 11 –;

d. Claim 14;

- line 15, insert after "wherein" – when --;

e. Claim 17;

Rewrite claim 17 as follows:

Claim 17. A computer-implemented method for implementing federated trader  
services, method comprising:

creating a first trader service, the first trader service arranged to store persistent information and wherein the first trader service is CORBA CosTrader Specification compliant;

creating at least one storage mechanism arranged to store the persistent information, and wherein the at least one storage mechanism comprises an LDAP compliant directory service;

creating a second trader service arranged to store persistent information, the second trader service CORBA CosTrader Specification compliant, the first trader service maintaining a reference link to services of the second trader service such that the LDAP compliant directory service supports the first trader service reference to services of the second trader service;

receiving a request by the first trader service from a requestor, and generating a responsive reference to the requestor from the second trader service;

organizing at least a first entry associated with the responsive reference in an index;

identifying a second reference in response to the request by the requestor, the second reference including a reference to a second object;

determining whether the second object associated with the second reference is existent; and

where if the second object is not existent organizing at least a second entry associated with the second reference in the index, the second entry positioned in the index behind the first entry.

f. Cancel claim 18;

g. Claim 23;

Rewrite claim 23 as follows:

Claim 23. . . A computer-implemented service comprising:

a trader service operable to provide object references based on a description of a service received from a requestor, the trader service CORBA CosTrader Specification compliant;

an HTTP agent operable to receive the description of the service requested by the requestor and communicate the description of the service to the trader service, the HTTP agent operable to receive the object reference from the trader service and provide the object reference to requestor;

wherein the requestor includes a first trader service compatible requestor operable to compatibly communicate requests for descriptions of services to the trader service and receive object references from the trader service, and a second trader service non-compatible requestor using the HTTP agent to promote the exchange of descriptions of services to the trader service and receive the object references from the trader service;

organizing at least a first entry associated with a first object reference in an index in response to a request from the requestor;

identifying a second object reference in response to the request by the requestor,  
the second reference including a reference to a second object;

determining whether the second object associated with the second reference is  
existent; and

where if the second object is not existent organizing at least a second entry  
associated with the second object reference in the index, the second entry positioned in  
the index behind the first entry.

h. Cancel claim 24;

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the  
examiner should be directed to Charles E Anya whose telephone number is (571) 272-  
3757. The examiner can normally be reached on M-F (8:30-6:00) First Friday off.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's  
supervisor, An Meng-Ai can be reached on (571) 272-3756. The fax phone number for  
the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2126

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Art Unit 2126

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